

ABSTRACT OF THE DISCLOSURE

In a method of calculating transit traffic in a router including interfaces, a transit traffic matrix matching with the total number of subject interfaces whose transit traffic should be calculated is generated and initialized. The IF traffic matrix of each of the subject interfaces is obtained. Subsequently, a routing table searched in order to obtain the value of an IF column of an entry matching with the IF traffic matrix. It is determined whether or not the value of the IF column obtained is representative of any one of the subject interfaces. Thereafter, the values PKT and OCT of the IF traffic matrix subjected to calculation are added to the transit traffic matrix. An apparatus for practicing the method is also disclosed.